

AMENDMENTS TO THE SPECIFICATION

IN THE SPECIFICATION:

Before line 1 of the specification, please insert the following new paragraph:

This application is a Continuation of co-pending Application No. 09/947,460, filed on September 7, 2001, the entire contents of which are hereby incorporated by reference and for which priority is claimed under 35 U.S.C. § 120; and this application claims priority of Application No. 2000-272345, 2000-345736, 2000-345737, 2000-345738, 2000-345814, 2000-345815, 2000-345816 and 2000-362632 filed in Japan on September 7, November 13, November 13, November 13, November 13, November 13, November 13, and November 29, 2000, respectively under 35 U.S.C. § 119.

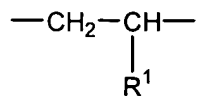
Please amend the paragraph on page 7, lines 13-18, as follows:

On this account, protection of the polar group by a protective group is carried out. A method of protection is described in, for example, *Macromolecules*, 31, 2019 (1998), *J. Am. Chem. Soc.*, 114, 9679 (1992), *Polymer Preprints*, Japan, 49(2), 209 (2000) and ~~*Polymer Preprints*, Japan, 49(2), 209 (2000).~~

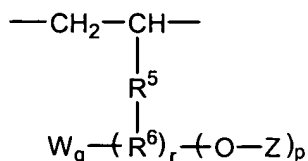
Please amend the paragraph bridging pages 11-12 (page 11, lines 5-23, page 12, lines 1-22) as follows:

The second embodiment of the polar group-containing olefin copolymer according to the present invention is a branched type copolymer comprising a constituent unit represented by the following formula (1) and a constituent unit represented by the following formula (4), and optionally a constituent unit represented by the following formula (5), having a molecular weight distribution ( $M_w/M_n$ ) of not more than 3, and having an intensity

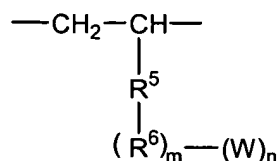
ratio of  $T_{\alpha\beta}$  to  $T_{\alpha\alpha}+T_{\alpha\beta}$  ( $T_{\alpha\beta}/(T_{\alpha\alpha}+T_{\alpha\beta})$ ), as determined from a  $^{13}\text{C}$ -NMR spectrum of said copolymer, of not more than 1.0:



... (1)



... (4)



... (5)

wherein  $\text{R}^1$  is a hydrogen atom or a straight-chain or branched aliphatic hydrocarbon group of 1 to 18 carbon atoms;  $\text{R}^5$  is a hydrocarbon group;  $\text{R}^6$  is a hetero atom or a group containing a hetero atom;  $r$  is 0 or 1;  $Z$  is a polymer segment obtained by any one of anionic polymerization, ring-opening polymerization and polycondensation;  $W$  is a hydroxyl group or an epoxy group;  $p$  is an integer of 1 to 3,  $q$  is 0, 1 or 2, and  $p+q \leq 3$ ; when  $p$  is 2 or 3, each  $\text{---O---Z}$  may be the same or different, and in this case, if  $r$  is 0,  $\text{---O---Z}$  may be bonded to the same or different atom of  $\text{R}^5$ , and if  $r$  is 1,  $\text{---O---Z}$  may be bonded to the same or different atom of  $\text{R}^6$ ; when  $q$  is 2, each  $W$  may be the same or different, and in this case, if  $r$  is 0,  $W$  may be bonded to the same or different atom of  $\text{R}^5$ , and if  $r$  is 1,  $W$  may be bonded to the same or different atom of  $\text{R}^6$ ; in case of  $p \geq 1$  and  $q \geq 1$ , if  $r$  is 0,  $W$  and  $\text{---O---Z}$  may be bonded to the same or

different atom of  $R^5$ , and if  $r$  is 1,  $W$  and  $-O-Z$  may be bonded to the same or different atom of  $R^6$ ;  $m$  is 0 or 1;  $n$  is an integer of 1 to 3; and when  $n$  is 2 or 3, each  $W$  may be the same or different, and in this case, if  $m$  is 0,  $W$  may be bonded to the same or different atom of  $R^5$   $R^6$ , and if  $m$  is 1,  $W$  may be bonded to the same or different atom of  $R^6$   $R^7$ .

Please amend the paragraph bridging pages 95-98 (page 95, beginning at line 11, ending at page 98, line 1) as follows:

Examples of the transition metal compounds represented by the formula (11) include  
 ethylene-bis(indenyl)dimethyl zirconium,  
 ethylene-bis(indenyl)zirconium dichloride,  
 ethylene-bis(indenyl)zirconium-bis(trifluoromethanesulfonate),  
 ethylene-bis(indenyl)zirconium-bis(methanesulfonate),  
 ethylene-bis(indenyl)zirconium-bis(p-toluenesulfonate),  
 ethylene-bis(indenyl)zirconium bis(p-chlorobenzenesulfonate),  
 ethylene-bis(4,5,6,7-tetrahydroindenyl)zirconium dichloride,  
 isopropylidene-bis(cyclopentadienyl)fluorenylzirconium  
 dichloride,  
 isopropylidene-

bis(cyclopentadienyl)(methylcyclopentadienyl)zirconium  
dichloride,  
dimethylsilylene-bis(cyclopentadienyl)zirconium dichloride,  
dimethylsilylene-bis(methylcyclopentadienyl)zirconium dichloride,  
dimethylsilylene-bis(dimethylcyclopentadienyl)zirconium  
dichloride,  
dimethylsilylene-bis(trimethylcyclopentadienyl)zirconium  
dichloride,  
dimethylsilylene-bis(indenyl)zirconium dichloride,  
dimethylsilylene-bis(indenyl)zirconium-  
bis(trifluoromethanesulfonate),  
dimethylsilylene-bis(4,5,6,7-tetrahydroindenyl)zirconium  
dichloride,  
dimethylsilylene-bis(cyclopentadienyl)(fluorenyl)zirconium  
dichloride,  
diphenylsilylene-bis(indenyl)zirconium dichloride,  
methylphenylsilylene-bis(indenyl)zirconium dichloride,  
rac-dimethylsilylene-bis(2,3,5-  
trimethylcyclopentadienyl)zirconium dichloride,  
rac-dimethylsilylene-bis(2,4,7-  
trimethylcyclopentadienyl)zirconium dichloride,  
rac-dimethylsilylene-bis(2-methyl-4-tert-

butylcyclopentadienyl) zirconium dichloride,  
isopropylidene-(cyclopentadienyl) (fluorenyl) zirconium dichloride,  
dimethylsilylene-(3-tert-butylcyclopentadienyl) (indenyl) zirconium  
dichloride,  
isopropylidene-(4-methylcyclopentadienyl) (3-  
methylindenyl) zirconium dichloride,  
isopropylidene(4-tert-butylcyclopentadienyl) (3-  
methylindenyl) zirconium dichloride,  
isopropylidene(4-tert-butylcyclopentadienyl) (3-tert-  
butylindenyl) zirconium dichloride,  
dimethylsilylene-(4-methylcyclopentadienyl) (3-  
methylindenyl) zirconium dichloride,  
dimethylsilylene-(4-tert-butylcyclopentadienyl) (3-  
methylindenyl) zirconium dichloride,  
dimethylsilylene-(4-tert-butylcyclopentadienyl) (3-tert-  
butylindenyl) zirconium dichloride,  
dimethylsilylene-(3-tert-  
butylcyclopentadienyl) (fluorenyl) zirconium dichloride,  
isopropylidene-(3-tert-butylcyclopentadienyl) (fluorenyl) zirconium  
dichloride,

~~N,N-diphenylaminoboryliden-bis(cyclopentadienyl)zirconium~~ N,N-  
diphenylaminoborylidene-bis(cyclopentadienyl)zirconium  
dichloride ,

~~N,N-dinaphthylaminoboryliden-bis(cyclopentadienyl)zirconium~~ N,N-  
dinaphthylaminoborylidene-bis(cyclopentadienyl)zirconium  
dichloride,

~~N,N-dimethylaminoboryliden-bis(cyclopentadienyl)zirconium~~ N,N-  
dimethylaminoborylidene-bis(cyclopentadienyl)zirconium  
dichloride and

~~N-methyl-N-phenylaminoboryliden-bis(cyclopentadienyl)zirconium~~  
N-methyl-N-phenylaminoborylidene-bis(cyclopentadienyl)zirconium  
dichloride.

Please amend the paragraph bridging pages 100-110 (page 100,  
line 19 through page 110, line 1-21), as follows:

Examples of the transition metal compounds represented by  
the formula (11a) include  
rac-dimethylsilylene-bis[1-(2-methyl-4-phenylindenyl)]zirconium  
dichloride,  
rac-dimethylsilylene-bis[1-(2-methyl-4-( $\alpha$ -  
naphthyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-methyl-4-( $\beta$ -  
naphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-(1-anthryl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-methyl-4-(2-anthryl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-methyl-4-(9-anthryl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-methyl-4-(9-phenanthryl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-methyl-4-(p-fluorophenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-methyl-4-(pentafluorophenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-methyl-4-(p-chlorophenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-methyl-4-(m-chlorophenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-methyl-4-(o-chlorophenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-methyl-4-(o,p-dichlorophenyl)phenylindenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-methyl-4-(p-bromophenyl)indenyl)]zirconium dichloride,



rac-dimethylsilylene-bis[1-(2-methyl-4-(p-tolyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-(m-tolyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-(o-tolyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-(o,o'-dimethylphenyl)-1-indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-(p-ethylphenyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-(p-i-propylphenyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-(p-benzylphenyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-(p-biphenyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-(m-biphenyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-(p-trimethylsilylenophenyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-(m-trimethylsilylenophenyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-phenyl-4-phenylindenyl)]zirconium  
dichloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-phenylindenyl)]zirconium  
dichloride,

rac-di-(i-propyl)silylene-bis[1-(2-methyl-4-  
phenylindenyl)]zirconium dichloride,

rac-di-(n-butyl)silylene-bis[1-(2-methyl-4-  
phenylindenyl)]zirconium dichloride,

rac-dicyclohexylsilylene-bis[1-(2-methyl-4-  
phenylindenyl)]zirconium dichloride,

rac-methylphenylsilylene-bis[1-(2-methyl-4-  
phenylindenyl)]zirconium dichloride,

rac-diphenylsilylene-bis[1-(2-methyl-4-phenylindenyl)]zirconium  
dichloride,

rac-di(p-tolyl)silylene-bis[1-(2-methyl-4-  
phenylindenyl)]zirconium dichloride,

rac-di(p-chlorophenyl)silylene-bis[1-(2-methyl-4-  
phenylindenyl)]zirconium dichloride,

rac-methylene-bis[1-(2-methyl-4-phenylindenyl)]zirconium  
dichloride,

rac-ethylene-bis[1-(2-methyl-4-phenylindenyl)]zirconium  
dichloride,

rac-dimethylgermylene-bis[1-(2-methyl-4-phenylindenyl)]zirconium  
dichloride,

rac-dimethylstannylene-bis[1-(2-methyl-4-phenylindenyl)]zirconium  
dichloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-phenylindenyl)]zirconium  
dibromide,

rac-dimethylsilylene-bis[1-(2-methyl-4-phenylindenyl)]zirconium  
dimethyl,

rac-dimethylsilylene-bis[1-(2-methyl-4-phenylindenyl)]zirconium  
methylchloride,

rac-dimethylsilylene-bis[1-(2-methyl-4-phenylindenyl)]zirconium  
chlorideSO<sub>2</sub>Me,

rac-dimethylsilylene-bis[1-(2-methyl-4-phenylindenyl)]zirconium  
chlorideOSO<sub>2</sub>Me,

rac-dimethylsilylene-bis[1-(2-ethyl-4-phenylindenyl)]zirconium  
dichloride,

rac-dimethylsilylene-bis[1-(2-ethyl-4- $\alpha$ -  
naphthyl)indenyl]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-ethyl-4-( $\beta$ -  
naphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-ethyl-4-(2-methyl-1-  
naphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-ethyl-4-(5-acenaphthyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(9-anthryl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(9-phenanthryl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(o-methylphenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(m-methylphenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(p-methylphenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(2,3-dimethylphenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(2,4-dimethylphenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(2,5-dimethylphenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(2,4,6-trimethylphenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(o-chlorophenyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-ethyl-4-(m-chlorophenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(p-chlorophenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(2,3-dichlorophenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(2,6-dichlorophenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(3,5-dichlorophenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(2-bromophenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(3-bromophenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(4-bromophenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(4-biphenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-ethyl-4-(4-trimethylsilylphenyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-n-propyl-4-phenylindenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-n-propyl-4-( $\alpha$ -naphthyl)indenyl)]zirconium dichloride,  
 rac-dimethylsilylene-bis[1-(2-n-propyl-4-( $\beta$ -naphthyl)indenyl)]zirconium dichloride,  
 rac-dimethylsilylene-bis[1-(2-n-propyl-4-(2-methyl-1-naphthyl)indenyl)]zirconium dichloride,  
 rac-dimethylsilylene-bis[1-(2-n-propyl-4-(5-acenaphthyl)indenyl)]zirconium dichloride,  
 rac-dimethylsilylene-bis[1-(2-n-propyl-4-(9-anthryl)indenyl)]zirconium dichloride,  
 rac-dimethylsilylene-bis[1-(2-n-propyl-4-(9-phenanthryl)indenyl)]zirconium dichloride,  
 rac-dimethylsilylene-bis[1-(2-i-propyl-4-phenylindenyl)]zirconium dichloride,  
 rac-dimethylsilylene-bis[1-(2-i-propyl-4-( $\alpha$ -naphthyl)indenyl)]zirconium dichloride,  
 rac-dimethylsilylene-bis[1-(2-i-propyl-4-( $\beta$ -naphthyl)indenyl)]zirconium dichloride,  
 rac-dimethylsilylene-bis[1-(2-i-propyl-4-(8-methyl-9-naphthyl)indenyl)]zirconium dichloride,  
 rac-dimethylsilylene-bis[1-(2-i-propyl-4-(5-acenaphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-i-propyl-4-(9-anthryl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-i-propyl-4-(9-phenanthryl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-s-butyl-4-phenylindenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-s-butyl-4-( $\alpha$ -naphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-s-butyl-4-( $\beta$ -naphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-s-butyl-4-(2-methyl-1-naphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-s-butyl-4-(5-acenaphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-s-butyl-4-(9-anthryl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-s-butyl-4-(9-phenanthryl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-n-pentyl-4-phenylindenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-n-pentyl-4-( $\alpha$ -naphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-n-butyl-4-phenylindenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-n-butyl-4-( $\alpha$ -naphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-n-butyl-4-( $\beta$ -naphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-n-butyl-4-(2-methyl-1-naphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-n-butyl-4-(5-acenaphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-n-butyl-4-(9-anthryl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-n-butyl-4-(9-phenanthryl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-i-butyl-4-phenylindenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-i-butyl-4-( $\alpha$ -naphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-i-butyl-4-( $\beta$ -naphthyl)indenyl)]zirconium dichloride,

rac-dimethylsilylene-bis[1-(2-i-butyl-4-(2-methyl-1-naphthyl)indenyl)]zirconium dichloride,



rac-dimethylsilylene-bis[1-(2-i-butyl-4-(5-acenaphthyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-i-butyl-4-(9-anthryl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-i-butyl-4-(9-phenanthryl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-neopentyl-4-phenylindenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-neopentyl-4-( $\alpha$ -naphthyl)indenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-n-hexyl-4-phenylindenyl)]zirconium dichloride,  
rac-dimethylsilylene-bis[1-(2-n-hexyl-4-( $\alpha$ -naphthyl)indenyl)]zirconium dichloride,  
rac-methylphenylsilylene-bis[1-(2-ethyl-4-phenylindenyl)]zirconium dichloride,  
rac-methylphenylsilylene-bis[1-(2-ethyl-4-( $\alpha$ -naphthyl)indenyl)]zirconium dichloride,  
rac-methylphenylsilylene-bis[1-(2-ethyl-4-(9-anthryl)indenyl)]zirconium dichloride,  
rac-methylphenylsilylene-bis[1-(2-ethyl-4-(9-phenanthryl)indenyl)]zirconium dichloride,

~~rac-methylphenylsilylene-bis[1-(2-ethyl-4-phenylindenyl)]zirconium dichloride~~ rac-diphenylsilylene-bis[1-(2-ethyl-4-phenylindenyl)]zirconium dichloride,  
 rac-diphenylsilylene-bis[1-(2-ethyl-4-( $\alpha$ -naphthyl)indenyl)]zirconium dichloride,  
 rac-diphenylsilylene-bis[1-(2-ethyl-4-(9-anthryl)indenyl)]zirconium dichloride,  
 rac-diphenylsilylene-bis[1-(2-ethyl-4-(9-phenanthryl)indenyl)]zirconium dichloride,  
 rac-diphenylsilylene-bis[1-(2-ethyl-4-(4-biphenyl)indenyl)]zirconium dichloride,  
 rac-methylene-bis[1-(2-ethyl-4-(4-phenylindenyl))]zirconium dichloride,  
 rac-methylene-bis[1-(2-ethyl-4-( $\alpha$ -naphthyl)indenyl)]zirconium dichloride,  
 rac-ethylene-bis[1-(2-ethyl-4-phenylindenyl)]zirconium dichloride,  
 rac-ethylene-bis[1-(2-ethyl-4-( $\alpha$ -naphthyl)indenyl)]zirconium dichloride,  
 rac-ethylene-bis[1-(2-n-propyl-4-( $\alpha$ -naphthyl)indenyl)]zirconium dichloride,  
 rac-dimethylgermyl-bis[1-(2-ethyl-4-phenylindenyl)]zirconium

dichloride,

rac-dimethylgermyl-bis[1-(2-ethyl-4-( $\alpha$ -

naphthyl)indenyl)]zirconium dichloride and

rac-dimethylgermyl-bis[1-(2-n-propyl-4-phenylindenyl)]zirconium  
dichloride.

Please amend the paragraph on page 125, lines 7-17, as follows:

Examples of the oxygen-containing groups, the sulfur-containing group, the silicon-containing groups and the halogen atoms include the same groups and atoms as previously described with respect to R<sup>25</sup>, R<sup>26</sup>, R<sup>27</sup> and R<sup>28</sup> in the formula (11). Of the groups indicated by R<sup>11</sup>, R<sup>12</sup>, R<sup>41</sup> and R<sup>42</sup>, a part of the groups neighboring with each other may be bonded to form a ring together with carbon atoms to which those groups are bonded. ~~Of the groups indicated by R<sup>11</sup>, R<sup>12</sup>, R<sup>41</sup> and R<sup>42</sup>, a part of the groups neighboring with each other may be bonded to form a ring together with carbon atoms to which those groups are bonded.~~

Please amend the paragraph bridging pages 125-144 (page 125, line 23 through page 144, line 1-3), as follows:

Examples of the transition metal compounds represented by the formula (14) include

Ethylene[2-methyl-4(9-phenanthryl)-1-indenyl](9-fluorenyl)zirconium dichloride,

Ethylene[2-methyl-4(9-phenanthryl)-1-indenyl](2,7-dimethyl-9-fluorenyl)zirconium dichloride,

Ethylene[2-methyl-4(9-phenanthryl)-1-indenyl](2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,

ethylene(2-methyl-4,5-benzo-1-indenyl)(9-fluorenyl)zirconium dichloride,

ethylene(2-methyl-4,5-benzo-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,

ethylene(2-methyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,

ethylene(2-methyl-4,5-benzo-1-indenyl)(2,7-dibromo-9-fluorenyl)zirconium dichloride,

ethylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,

ethylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-dibromo-9-fluorenyl)zirconium dichloride,

ethylene(2-methyl- $\alpha$ -acenaphtho-1-indenyl)(9-fluorenyl)zirconium dichloride,

ethylene(2-methyl- $\alpha$ -acenaphtho-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
ethylene(2-methyl- $\alpha$ -acenaphtho-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene[2-methyl-4(9-phenanthryl)-1-indenyl](9-fluorenyl)zirconium dichloride,  
dimethylsilylene[2-n-propyl-4(9-phenanthryl)-1-indenyl](9-fluorenyl)zirconium dichloride,  
dimethylsilylene[2-methyl-4(9-phenanthryl)-1-indenyl](2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene[2-methyl-4(9-phenanthryl)-1-indenyl](2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2-methyl-4,5-benzo-1-indenyl)(9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2-methyl- $\alpha$ -acenaphto-1-indenyl)(9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,

dimethylsilylene(2-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
diphenylsilylene[2-methyl-4(9-phenanthryl)-1-indenyl](9-fluorenyl)zirconium dichloride,  
diphenylsilylene[2-methyl-4(9-phenanthryl)-1-indenyl](2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
diphenylsilylene[2-methyl-4(9-phenanthryl)-1-indenyl](2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
diphenylsilylene(2-methyl-4,5-benzo-1-indenyl)(9-fluorenyl)zirconium dichloride,  
diphenylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
diphenylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
diphenylsilylene(2-methyl- $\alpha$ -acenaphto-1-indenyl)(9-fluorenyl)zirconium dichloride,  
diphenylsilylene(2-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
diphenylsilylene(2-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
methylphenylsilylene[2-methyl-4(9-phenanthryl)-1-indenyl](9-fluorenyl)zirconium dichloride,

methylphenylsilylene[2-methyl-4(9-phenanthryl)-1-indenyl](2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
methylphenylsilylene[2-methyl-4(9-phenanthryl)-1-indenyl](2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
methylphenylsilylene(2-methyl-4,5-benzo-1-indenyl)(9-fluorenyl)zirconium dichloride,  
methylphenylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
methylphenylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
methylphenylsilylene(2-methyl- $\alpha$ -acenaphto-1-indenyl)(9-fluorenyl)zirconium dichloride,  
methylphenylsilylene(2-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
methylphenylsilylene(2-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
ethylene[3-methyl-4(9-phenanthryl)-1-indenyl](9-fluorenyl)zirconium dichloride,  
ethylene[3-methyl-4(9-phenanthryl)-1-indenyl](2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
ethylene[3-methyl-4(9-phenanthryl)-1-indenyl](2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,

ethylene(3-methyl-4,5-benzo-1-indenyl)(9-fluorenyl)zirconium  
dichloride,

ethylene(3-methyl-4,5-benzo-1-indenyl)(2,7-dimethyl-9-  
fluorenyl)zirconium dichloride,

ethylene(3-methyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-  
fluorenyl)zirconium dichloride,

ethylene(3-methyl- $\alpha$ -acenaphto-1-indenyl)(9-fluorenyl)zirconium  
dichloride,

ethylene(3-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-dimethyl-9-  
fluorenyl)zirconium dichloride,

ethylene(3-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-di-t-butyl-9-  
fluorenyl)zirconium dichloride,

dimethylsilylene[3-methyl-4(9-phenanthryl)-1-indenyl](9-  
fluorenyl)zirconium dichloride,

dimethylsilylene[3-methyl-4(9-phenanthryl)-1-indenyl](2,7-  
dimethyl-9-fluorenyl)zirconium dichloride,

dimethylsilylene[3-methyl-4(9-phenanthryl)-1-indenyl](2,7-di-t-  
butyl-9-fluorenyl)zirconium dichloride,

dimethylsilylene(3-methyl-4,5-benzo-1-indenyl)(9-  
fluorenyl)zirconium dichloride,

dimethylsilylene(3-methyl-4,5-benzo-1-indenyl)(2,7-dimethyl-9-  
fluorenyl)zirconium dichloride,



dimethylsilylene(3-methyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(3-methyl- $\alpha$ -acenaphto-1-indenyl)(9-fluorenyl)zirconium dichloride,  
dimethylsilylene(3-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(3-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
diphenylsilylene[3-methyl-4(9-phenanthryl)-1-indenyl](9-fluorenyl)zirconium dichloride,  
diphenylsilylene[3-methyl-4(9-phenanthryl)-1-indenyl](2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
diphenylsilylene[3-methyl-4(9-phenanthryl)-1-indenyl](2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
diphenylsilylene(3-methyl-4,5-benzo-1-indenyl)(9-fluorenyl)zirconium dichloride,  
diphenylsilylene(3-methyl-4,5-benzo-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
diphenylsilylene(3-methyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
diphenylsilylene(3-methyl- $\alpha$ -acenaphto-1-indenyl)(9-fluorenyl)zirconium dichloride,

diphenylsilylene(3-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
diphenylsilylene(3-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
methylphenylsilylene[3-methyl-4(9-phenanthryl)-1-indenyl](9-fluorenyl)zirconium dichloride,  
methylphenylsilylene[3-methyl-4(9-phenanthryl)-1-indenyl](2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
methylphenylsilylene[3-methyl-4(9-phenanthryl)-1-indenyl](2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
methylphenylsilylene(3-methyl-4,5-benzo-1-indenyl)(9-fluorenyl)zirconium dichloride,  
methylphenylsilylene(3-methyl-4,5-benzo-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
methylphenylsilylene(3-methyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
methylphenylsilylene(3-methyl- $\alpha$ -acenaphto-1-indenyl)(9-fluorenyl)zirconium dichloride,  
methylphenylsilylene(3-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
methylphenylsilylene(3-methyl- $\alpha$ -acenaphto-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,

ethylene(2-methyl-4,5-benzo-1-indenyl)(2,7-ditrimethylsilyl-9-fluorenyl)zirconium dichloride,  
ethylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
ethylene(2,7-dimethyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
ethylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-ditrimethylsilyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium-bis(methanesulfonate),  
dimethylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium-bis(trifluoromethanesulfonate),  
dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-di(trimethylsilyl)-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-di(trimethylsilyl)-9-fluorenyl)zirconium-bis(methanesulfonate),  
dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-di(trimethylsilyl)-9-fluorenyl)zirconium-bis(trifluoromethanesulfonate),  
dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-di-t-

butyl-9-fluorenyl) zirconium dichloride,  
dimethylsilylene(2,7-dimethyl-4,5-benzo-1-indenyl) (2,7-di-t-  
butyl-9-fluorenyl) zirconium dichloride,  
dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-  
indenyl) (2,7-di-t-butyl-9-fluorenyl) zirconium dichloride,  
dimethylsilylene(2-methyl-4,5-benzo-1-indenyl) (2,7-dibromo-9-  
fluorenyl) zirconium dichloride,  
dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-dibromo-9-  
fluorenyl) zirconium dichloride,  
dimethylsilylene(2-methyl-4,5-benzo-1-indenyl) (2,7-di-t-butoxy-9-  
fluorenyl) zirconium dichloride,  
dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-di-t-  
butoxy-9-fluorenyl) zirconium dichloride,  
dimethylsilylene(2-methyl-4,5-benzo-1-indenyl) (2,7-diphenyl-9-  
fluorenyl) zirconium dichloride,  
dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-diphenyl-  
9-fluorenyl) zirconium dichloride,  
dimethylsilylene(2-methyl-4,5-benzo-1-indenyl) (2,7-di-i-propyl-9-  
fluorenyl) zirconium dichloride,  
dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-di-i-  
propyl-9-fluorenyl) zirconium dichloride,  
dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-dimethyl-

9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2,6-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-di(trimethylsilyl)-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-dibromo-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-di-t-butoxy-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-diphenyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-di-i-propyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-di(trimethylsilyl)-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-dibromo-9-fluorenyl)zirconium dichloride,  
dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-

indenyl) (2,7-di-t-butoxy-9-fluorenyl) zirconium dichloride,  
dimethylsilylene (2,7-dimethyl-4,5-(1-methyl-benzo)-1-  
indenyl) (2,7-diphenyl-9-fluorenyl) zirconium dichloride,  
dimethylsilylene (2,7-dimethyl-4,5-(1-methyl-benzo)-1-  
indenyl) (2,7-di-i-propyl-9-fluorenyl) zirconium dichloride,  
dimethylsilylene (2,7-dimethyl-4,5-(1-methyl-benzo)-1-  
indenyl) (2,7-dimethyl-9-fluorenyl) zirconium dichloride,  
dimethylsilylene (2-methyl-4,5-benzo-1-indenyl) (2,7-dibromo-9-  
fluorenyl) zirconium-bis(methanesulfonate),  
dimethylsilylene (2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-dibromo-9-  
fluorenyl) zirconium-bis(methanesulfonate),  
dimethylsilylene (2-methyl-4,5-benzo-1-indenyl) (2,7-di-t-butoxy-9-  
fluorenyl) zirconium-bis(methanesulfonate),  
dimethylsilylene (2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-di-t-  
butoxy-9-fluorenyl) zirconium-bis(methanesulfonate),  
dimethylsilylene (2-methyl-4,5-benzo-1-indenyl) (2,7-diphenyl-9-  
fluorenyl) zirconium-bis(methanesulfonate),  
dimethylsilylene (2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-diphenyl-  
9-fluorenyl) zirconium-bis(methanesulfonate),  
dimethylsilylene (2-methyl-4,5-benzo-1-indenyl) (2,7-di-i-propyl-9-  
fluorenyl) zirconium-bis(methanesulfonate),  
dimethylsilylene (2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-di-i-

propyl-9-fluorenyl) zirconium-bis(methanesulfonate),  
 dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-dimethyl-9-fluorenyl) zirconium-bis(methanesulfonate),  
 dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-di(trimethylsilyl)-9-fluorenyl) zirconium-bis(methanesulfonate),  
 dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-dibromo-9-fluorenyl) zirconium-bis(methanesulfonate),  
 dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-di-t-butoxy-9-fluorenyl) zirconium-bis(methanesulfonate),  
 dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-diphenyl-9-fluorenyl) zirconium-bis(methanesulfonate),  
 dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-di-i-propyl-9-fluorenyl) zirconium-bis(methanesulfonate),  
 dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-dimethyl-9-fluorenyl) zirconium-bis(methanesulfonate),  
 dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-di-t-butyl-9-fluorenyl) zirconium-

bis(methanesulfonate),  
 dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-di(trimethylsilyl)-9-fluorenyl)zirconium-bis(methanesulfonate),  
 dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-dibromo-9-fluorenyl)zirconium-bis(methanesulfonate),  
 dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-di-t-butoxy-9-fluorenyl)zirconium-bis(methanesulfonate),  
 dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-diphenyl-9-fluorenyl)zirconium-bis(methanesulfonate),  
 dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-di-i-propyl-9-fluorenyl)zirconium-bis(methanesulfonate),  
 dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium-bis(methanesulfonate),  
 dimethylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-dibromo-9-(4,5-methylenephenanthryl))zirconium dichloride,  
 dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-dibromo-9-(4,5-methylenephenanthryl))zirconium dichloride,



dimethylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-di-t-butoxy-9-(4,5-methylenephenanthryl))zirconium dichloride,  
 dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-di-t-butoxy-9-(4,5-methylenephenanthryl))zirconium dichloride,  
 dimethylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-diphenyl-9-(4,5-methylenephenanthryl))zirconium dichloride,  
 dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-diphenyl-9-(4,5-methylenephenanthryl))zirconium dichloride,  
 dimethylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-di-i-propyl-9-(4,5-methylenephenanthryl))zirconium dichloride,  
 dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-di-i-propyl-9-(4,5-methylenephenanthryl))zirconium dichloride,  
 dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-dimethyl-9-(4,5-methylenephenanthryl))zirconium dichloride,  
 dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-di(trimethylsilyl)-9-(4,5-methylenephenanthryl))zirconium dichloride,  
 dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-dibromo-9-(4,5-methylenephenanthryl))zirconium dichloride,  
 dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-di-t-butoxy-9-(4,5-methylenephenanthryl))zirconium

dichloride,

dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-

indenyl)(2,7-diphenyl-9-(4,5-methylenephenanthryl))zirconium

dichloride,

dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-

indenyl)(2,7-di-i-propyl-9-(4,5-methylenephenanthryl))zirconium

dichloride,

dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-

indenyl)(2,7-dimethyl-9-(4,5-methylenephenanthryl))zirconium

dichloride,

dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-

indenyl)(2,7-di-t-butyl-9-(4,5-methylenephenanthryl))zirconium

dichloride,

dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-

indenyl)(~~2,7-di-trimethylsilyl~~)(2,7-di(trimethylsilyl)-9-(4,5-methylenephenanthryl))zirconium dichloride,

dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-

indenyl)(2,7-dibromo-9-(4,5-methylenephenanthryl))zirconium

dichloride,

dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-

indenyl)(2,7-di-t-butoxy-9-(4,5-methylenephenanthryl))zirconium

dichloride,

dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-diphenyl-9-(4,5-methylenephenanthryl))zirconium dichloride,

dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-di-i-propyl-9-(4,5-methylenephenanthryl))zirconium dichloride,

dimethylsilylene(2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-dimethyl-9-(4,5-methylenephenanthryl))zirconium dichloride,

dimethylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-(4,5-methylenephenanthryl))zirconium dichloride,

dimethylsilylene(2-methyl-4,5-benzo-1-indenyl)(2,7-di(trimethylsilyl)-9-(4,5-methylenephenanthryl))zirconium dichloride,

dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-(4,5-methylenephenanthryl))zirconium dichloride,

dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-di(trimethylsilyl)-9-(4,5-methylenephenanthryl))zirconium dichloride,

dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-di-t-butyl-9-(4,5-methylenephenanthryl))zirconium dichloride,

dimethylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-di(trimethylsilyl)-9-(4,5-methylenephenanthryl))zirconium dichloride,  
 dimethylmethylen(2-methyl-4,5-benzo-1-indenyl)(2,7-dibromo-9-fluorenyl)zirconium dichloride,  
 dimethylmethylen(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-dibromo-9-fluorenyl)zirconium dichloride,  
 dimethylmethylen(2-methyl-4,5-benzo-1-indenyl)(2,7-di-t-butoxy-9-fluorenyl)zirconium dichloride,  
 dimethylmethylen(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-di-t-butoxy-9-fluorenyl)zirconium dichloride,  
 dimethylmethylen(2-methyl-4,5-benzo-1-indenyl)(2,7-diphenyl-9-fluorenyl)zirconium dichloride,  
 dimethylmethylen(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-diphenyl-9-fluorenyl)zirconium dichloride,  
 dimethylmethylen(2-methyl-4,5-benzo-1-indenyl)(2,7-di-i-propyl-9-fluorenyl)zirconium dichloride,  
 dimethylmethylen(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-di-i-propyl-9-fluorenyl)zirconium dichloride,  
 dimethylmethylen(2,6-dimethyl-4,5-benzo-1-indenyl)(2,7-dimethyl-9-fluorenyl)zirconium dichloride,  
 dimethylmethylen(2,7-dimethyl-4,5-(2-methyl-benzo)-1-

indenyl) (2,7-di(trimethylsilyl)-9-fluorenyl)) zirconium  
dichloride,  
dimethylmethylenes (2,7-dimethyl-4,5-(2-methyl-benzo)-1-  
indenyl) (2,7-dibromo-9-fluorenyl) zirconium dichloride,  
dimethylmethylenes (2,7-dimethyl-4,5-(2-methyl-benzo)-1-  
indenyl) (2,7-di-t-butoxy-9-fluorenyl) zirconium dichloride,  
dimethylmethylenes (2,7-dimethyl-4,5-(2-methyl-benzo)-1-  
indenyl) (2,7-diphenyl-9-fluorenyl) zirconium dichloride,  
dimethylmethylenes (2,7-dimethyl-4,5-(2-methyl-benzo)-1-  
indenyl) (2,7-di-i-propyl-9-fluorenyl) zirconium dichloride,  
dimethylmethylenes (2,7-dimethyl-4,5-(2-methyl-benzo)-1-  
indenyl) (2,7-dimethyl-9-fluorenyl) zirconium dichloride,  
dimethylmethylenes (2,7-dimethyl-4,5-(1-methyl-benzo)-1-  
indenyl) (2,7-di-t-butyl-9-fluorenyl) zirconium dichloride,  
dimethylmethylenes (2,7-dimethyl-4,5-(1-methyl-benzo)-1-  
indenyl) (2,7-di(trimethylsilyl)-9-fluorenyl) zirconium dichloride,  
dimethylmethylenes (2,7-dimethyl-4,5-(1-methyl-benzo)-1-  
indenyl) (2,7-dibromo-9-fluorenyl) zirconium dichloride,  
dimethylmethylenes (2,7-dimethyl-4,5-(1-methyl-benzo)-1-  
indenyl) (2,7-di-t-butoxy-9-fluorenyl) zirconium dichloride,  
dimethylmethylenes (2,7-dimethyl-4,5-(1-methyl-benzo)-1-  
indenyl) (2,7-diphenyl-9-fluorenyl) zirconium dichloride,

dimethylmethylenes (2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl) (2,7-di-*i*-propyl-9-fluorenyl) zirconium dichloride,  
 dimethylmethylenes (2,7-dimethyl-4,5-(1-methyl-benzo)-1-indenyl) (2,7-dimethyl-9-fluorenyl) zirconium dichloride,  
 dimethylmethylenes (2-methyl-4,5-benzo-1-indenyl) (2,7-di-*t*-butyl-9-fluorenyl) zirconium dichloride,  
 dimethylmethylenes (2-methyl-4,5-benzo-1-indenyl) (2,7-di(trimethylsilyl)-9-fluorenyl) zirconium dichloride,  
 dimethylmethylenes (2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-di-*t*-butyl-9-fluorenyl) zirconium dichloride,  
 dimethylmethylenes (2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-di(trimethylsilyl)-9-fluorenyl) zirconium dichloride,  
 dimethylmethylenes (2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl) (2,7-di-*t*-butyl-9-fluorenyl) zirconium dichloride,  
 dimethylmethylenes (2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl) (2,7-di(trimethylsilyl)-9-fluorenyl) zirconium dichloride,  
 dimethylsilylenes (2-methyl-4,5-benzo-1-indenyl) (2,7-di-*t*-butyl-9-fluorenyl) zirconium  $\eta^4$ -1-phenyl-1,3-pentadiene,  
 dimethylsilylenes (2-methyl-4,5-benzo-1-indenyl) (2,7-di(trimethylsilyl)-9-fluorenyl) zirconium  $\eta^4$ -1,4-diphenylbutadiene,  
 dimethylsilylenes (2-methyl-4,5-benzo-1-indenyl) (2,7-dibromo-9-

fluorenyl) zirconium  $\eta$  4-2,4-hexadiene,  
 dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-di-t-butyl-9-fluorenyl) zirconium  $\eta$  4-1,4-diphenyl-1,3-butadiene,  
 dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-di(trimethylsilyl)-9-fluorenyl)) zirconium  $\eta$  4-3-methyl-1,3-pentadiene,  
 dimethylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-dibromo-9-fluorenyl) zirconium  $\eta$  4-2,4-hexadiene,  
 diphenylsilylene(2-methyl-4,5-benzo-1-indenyl) (2,7-ditrimethylsilyl-9-fluorenyl) zirconium dichloride,  
 diphenylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-di-t-butyl-9-fluorenyl) zirconium dichloride,  
 diphenylsilylene(2,7-dimethyl-4,5-benzo-1-indenyl) (2,7-di-t-butyl-9-fluorenyl) zirconium dichloride,  
 diphenylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl) (2,7-di-t-butyl-9-fluorenyl) zirconium dichloride,  
 methylphenylsilylene(2-methyl-4,5-benzo-1-indenyl) (2,7-di(trimethyl)silyl-9-fluorenyl)) zirconium dichloride,  
 methylphenylsilylene(2,6-dimethyl-4,5-benzo-1-indenyl) (2,7-di-t-butyl-9-fluorenyl)) zirconium dichloride,  
 methylphenylsilylene(2,7-dimethyl-4,5-benzo-1-indenyl) (2,7-di-t-butyl-9-fluorenyl)) zirconium dichloride,

methylphenylsilylene(2,7-dimethyl-4,5-(2-methyl-benzo)-1-indenyl)(2,7-di-t-butyl-9-fluorenyl))zirconium dichloride, ethylene(2-methyl-7-trimethylsilyl-4,5-benzo-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride and dimethylsilylene(2-methyl-7-trimethylsilyl-4,5-(1-methyl-benzo)-1-indenyl)(2,7-di-t-butyl-9-fluorenyl)zirconium dichloride.

Please change the heading on page 148, line 6, as follows:

~~(B-1) Organoamuminum oxy compound~~

(B-1) Organoaluminum oxy-compound

Please amend the paragraph bridging pages 159-160 (page 159, lines 8-25, page 160, line 1) as follows:

The heteropoly compound comprises an atom selected from silicon, phosphorus, titanium, germanium, arsenic or tin and one or more atoms selected from vanadium, niobium, molybdenum and tungsten. Examples of such compounds include phosphovanadic acid, germanovanadic acid, arsenovanadic acid, phosphoniobic acid, germanoniobic acid, silicomolybdic acid, phosphomolybdic acid, titanomolybdic acid, germanomolybdic acid, arsenomolybdic acid, stannomolybdic acid, phosphotungstic acid, germanotungstic acid, stannotungstic acid, phosphomolybdovanadic acid,



phosphotungstovanadic acid, ~~germanotaungstovanadie~~  
germanotungstovanadic acid, phosphomolybdotungstovanadic acid,  
 germanomolybdotungstovanadic acid, phosphomolybdotungstic acid,  
 phosphomolybdoniobic acid, salts of these acids, specifically,  
 salts of these acids, for example with metals of Group 1 or 2 of  
 the periodic table such as lithium, sodium, potassium, rubidium,  
 cesium, beryllium, magnesium, calcium, strontium and barium and  
 organic salts of the above acids such as with triphenylethyl  
 salt.

Please amend the 1<sup>st</sup> paragraph on page 164 (lines 1-8) as follows:

Preferable examples of the inorganic carrier are porous  
 oxides, inorganic chlorides, clay, clay minerals and ion-  
 exchange layered ~~layred~~ compounds. ~~Examples~~ Examples of porous  
 oxides include SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, MgO, ZrO, TiO<sub>2</sub>, B<sub>2</sub>O<sub>3</sub>, CaO, ZnO, BaO,  
 ThO<sub>2</sub>, and mixtures containing these oxides, such as SiO<sub>2</sub>-MgO,  
 SiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub>, SiO<sub>2</sub>-TiO<sub>2</sub>, SiO<sub>2</sub>-V<sub>2</sub>O<sub>5</sub>, SiO<sub>2</sub>-Cr<sub>2</sub>O<sub>3</sub> and SiO<sub>2</sub>-TiO<sub>2</sub>-MgO.  
 Of these, preferable are compounds containing SiO<sub>2</sub> and/or Al<sub>2</sub>O<sub>3</sub>  
 as the main component.

Please amend the paragraph on bridging pages 167-168 (page 167, lines 15-25, page 168, lines 1-4) as follows:

The ion-exchange layered compound may be a layered compound in which the exchangeable ions between layers have been exchanged with other large and bulky ions utilizing ion exchange properties to enlarge the distance between the layers. The bulky ion plays a pillar-like ~~role~~ role to support the layer structure and is generally called a "pillar". Introduction of other substances between layers of a layered compound is called "intercalation". Examples of the guest compounds to be intercalated include cationic inorganic compounds, such as  $\text{TiCl}_4$  and  $\text{ZrCl}_4$ ; metallic alkoxides, such as  $\text{Ti(OR)}_4$ ,  $\text{Zr(OR)}_4$ ,  $\text{PO(OR)}_3$  and  $\text{B(OR)}_3$  (R is a hydrocarbon group or the like); and metallic hydroxide ions, such as  $[\text{Al}_{13}\text{O}_4(\text{OH})_{24}]^{7+}$ ,  $[\text{Zr}_4(\text{OH})_{14}]^{2+}$  and  $[\text{Fe}_3\text{O(OCOCH}_3)_6]^+$ . The compounds mentioned above may be used singly or in combination of two or more kinds.

Please amend the paragraph on bridging pages 171-182 (page 171, 22-25, page 183-19) as follows:

Examples of the polar group-containing monomers include:

compounds of the formula (7) wherein X is an alcoholic hydroxyl group, specifically

$\omega$ -alkenylalcohols, such as allyl alcohol, 4-pentene-1-ol, 5-hexene-1-ol, 6-heptene-1-ol, 7-octene-1-ol, 8-nonene-1-ol, 9-decene-1-ol, 10-undecene-1-ol and 11-dodecene-1-ol;

alcohols having a straight-chain hydrocarbon group, such as 5-hexene-2-ol, 6-heptene-2-ol, 7-octene-2-ol, 8-nonene-2-ol, 9-decene-2-ol, 10-undecene-2-ol, 6-heptene-3-ol, 7-octene-3-ol, 8-nonene-3-ol, 9-decene-3-ol, 10-undecene-3-ol, 11-dodecene-3-ol, 7-octene-4-ol, 8-nonene-4-ol, 9-decene-4-ol, 10-undecene-4-ol, 8-nonene-5-ol, 9-decene-5-ol and 10-undecene-5-ol;

alcohols having a branched hydrocarbon group, such as 2-ethyl-5-hexene-1-ol, 3-methyl-6-heptene-1-ol, 3-methyl-7-octene-1-ol, 4-methyl-8-nonene-1-ol, 3-ethyl-9-decene-1-ol, 2-methyl-10-undecene-2-ol, 2,2-dimethyl-7-octene-1-ol, 3-ethyl-2-methyl-8-nonene-1-ol, 2,2,3-trimethyl-9-decene-1-ol and 2,3,3,4-tetramethyl-10-undecene-2-ol;

diols, such as

9-decene-1,2-diol, 10-undecene-1,2-diol,  
11-dodecene-1,2-diol and 11-dodecene-1,2-diol; and

triols, such as 10-undecene-1,2,3-triol;

compounds of the formula (7) wherein X is a carboxylic acid  
group, specifically

$\omega$ -alkenylcarboxylic acids, such as

3-butenic acid, 5-hexenoic acid, 6-heptenoic acid,  
7-octenoic acid, 8-nonenic acid, 9-decenoic acid,  
10-undecenoic acid and 11-dodecenoic acid;

alkenylcarboxylic acids having a straight-chain hydrocarbon  
group, such as

2-methyl-5-hexenoic acid, 2-methyl-6-heptenoic acid,  
2-methyl-7-octenoic acid, 2-methyl-8-nonenic acid,  
2-methyl-9-decenoic acid, 2-methyl-10-undecenoic acid,  
2-methyl-11-dodecenoic acid, 2-ethyl-5-hexenoic acid,  
2-ethyl-6-heptenoic acid, 2-ethyl-7-octenoic acid,  
2-ethyl-8-nonenic acid, 2-ethyl-9-decenoic acid,  
2-ethyl-10-undecenoic acid, 2-propyl-5-hexenoic acid,  
2-propyl-6-heptenoic acid, 2-propyl-7-octenoic acid,  
2-propyl-8-nonenic acid, 2-propyl-9-decenoic acid,  
2-propyl-10-undecenoic acid, 2-butyl-5-hexenoic acid,

2-butyl-6-heptenoic acid, 2-butyl-7-octenoic acid,  
2-butyl-8-nonenoic acid, 2-butyl-9-decenoic acid and  
2-butyl-10-undecenoic acid; and

alkenylcarboxylic acids having a branched hydrocarbon  
group, such as

2-isopropyl-5-hexenoic acid,  
2-isopropyl-6-heptenoic acid,  
2-isopropyl-7-octenoic acid,  
2-isopropyl-8-nonenoic acid,  
2-isopropyl-9-decenoic acid,  
2-isopropyl-10-undecenoic acid,  
2-isobutyl-5-hexenoic acid, 2-t-butyl-6-heptenoic acid,  
2-isopropyl-3-methyl-7-octenoic acid,  
2-methyl-3-isopropyl-8-nonenoic acid,  
3-isobutyl-3-methyl-9-decenoic acid,  
2,2-dimethyl-10-undecenoic acid and  
2,3,3-trimethyl-11-dodecenoic acid;

compounds of the formula (7) wherein X is a carboxylic acid  
ester, specifically

$\omega$ -alkenylcarboxylic acid esters, such as  
methyl 3-butenate, methyl 5-hexenoate,  
methyl 6-heptenoate, methyl 7-octenoate,

methyl 8-nonenoate, methyl 9-decenoate,  
methyl 10-undecenoate, methyl 11-dodecenoate,  
ethyl 5-hexenoate, ethyl 6-heptenoate,  
ethyl 7-octenoate, ethyl 8-nonenoate,  
ethyl 9-decenoate, ethyl 10-undecenoate,  
ethyl 11-dodecenoate, isopropyl 5-hexenoate,  
isopropyl 6-heptenoate, isopropyl 7-octenoate,  
isopropyl 8-nonenoate, isopropyl 9-decenoate,  
isopropyl 10-undecenoate, isopropyl 11-dodecenoate,  
butyl 5-hexenoate, butyl 6-heptenoate,  
butyl 7-octenoate, butyl 8-nonenoate,  
butyl 9-decenoate, butyl 10-undecenoate,  
butyl 11-dodecenoate, pentyl 5-hexenoate,  
pentyl 6-heptenoate, pentyl 7-octenoate,  
pentyl 8-nonenoate, pentyl 9-decenoate,  
pentyl 10-undecenoate and pentyl 11-dodecenoate;

alkenylcarboxylic acid esters having a straight-chain hydrocarbon group, such as

methyl 2-methyl-5-hexenoate, methyl 2-methyl-6-heptenoate,  
ethyl 2-methyl-7-octenoate, methyl 2-methyl-8-nonenoate,  
butyl 2-methyl-9-decenoate, ethyl 2-methyl-10-undecenoate,  
butyl 2-ethyl-5-hexenoate, ethyl 2-ethyl-6-heptenoate,

isopropyl 2-ethyl-7-octenoate, ethyl 2-ethyl-8-nonenoate, methyl 2-ethyl-9-decenoate, ethyl 2-ethyl-10-undecenoate, methyl 2-propyl-5-hexenoate, methyl 2-propyl-6-heptenoate, ethyl 2-propyl-7-octenoate, methyl 2-propyl-9-decenoate, ethyl 2-propyl-10-undecenoate, methyl 2-butyl-7-octenoate, methyl 2-butyl-8-nonenoate, methyl 2-butyl-9-decenoate and methyl 2-butyl-10-undecenoate; and

alkenylcarboxylic acids having a branched hydrocarbon group, such as

butyl 2-isopropyl-5-hexenoate,  
ethyl 2-isopropyl-6-heptenoate,  
methyl 2-isopropyl-7-octenoate,  
methyl 2-isopropyl-8-nonenoate,  
butyl 2-isopropyl-9-decenoate,  
methyl 2-isopropyl-10-undecenoate,  
methyl 2-isobutyl-5-hexenoate,  
methyl 2-t-butyl-6-heptenoate,  
ethyl 2-isopropyl-3-methyl-7-octenoate and  
propyl 3-isobutyl-3-methyl-9-decenoate;

compounds wherein X in the formula (7) is an acid anhydride group, such as (2,7-octadienyl)succinic anhydride, pentapropenylsuccinic anhydride and compounds wherein the

carboxylic acid group is replaced with a carboxylic anhydride group in the above-exemplified compounds wherein X is a carboxylic acid group;

compounds of the formula (7) wherein X is an amino group, specifically

$\omega$ -alkenylamines, such as allylamine, 5-hexene amine, 6-heptene amine, 7-octene amine, 8-nonene amine, 9-decene amine, 10-undecene amine and 11-dodecene amine;

alkenylamines having a straight-chain hydrocarbon group, such as 2-methyl-5-hexene amine, 2-methyl-6-heptene amine, 2-methyl-7-octene amine, 2-methyl-8-nonene amine, 2-methyl-9-decene amine, 2-methyl-10-undecene amine, 2-methyl-11-dodecene amine, 2-ethyl-5-hexene amine, 2-ethyl-6-heptene amine, 2-ethyl-7-octene amine, 2-ethyl-8-nonene amine, 2-ethyl-9-decene amine, 2-ethyl-10-undecene amine, 2-propyl-5-hexene amine, 2-propyl-6-heptene amine, 2-propyl-7-octene amine, 2-propyl-8-nonene amine, 2-propyl-9-decene amine, 2-propyl-10-undecene amine, 2-butyl-5-hexene amine, 2-butyl-6-heptene amine, 2-butyl-7-octene amine,



2-butyl-8-nonene amine, 2-butyl-9-decene amine and  
2-butyl-10-undecene amine;

alkenylamines having a branched hydrocarbon group, such as  
2-isopropyl-5-hexene amine, 2-isopropyl-6-heptene amine,  
2-isopropyl-7-octene amine, 2-isopropyl-8-nonene amine,  
2-isopropyl-9-decene amine,  
2-isopropyl-10-undecene amine,  
2-isobutyl-5-hexene amine, 2-t-butyl-6-heptene amine,  
2-isopropyl-3-methyl-7-octene amine,  
2-methyl-3-isopropyl-8-nonene amine,  
3-isobutyl-3-methyl-9-decene amine,  
2,2-dimethyl-10-undecene amine and  
2,3,3-trimethyl-11-dodecene amine;

N-alkyl- $\omega$ -alkenylamines, such as  
N-methyl-5-hexene amine, N-methyl-6-heptene amine,  
N-methyl-7-octene amine, N-methyl-8-nonene amine,  
N-methyl-9-decene amine, N-methyl-10-undecene amine,  
N-methyl-11-dodecene amine, N-ethyl-5-hexene amine,  
N-ethyl-6-heptene amine, N-ethyl-7-octene amine,  
N-ethyl-8-nonene amine, N-ethyl-9-decene amine,  
N-ethyl-10-undecene amine and  
N-ethyl-11-dodecene amine;

N-alkylalkenylamines having a straight-chain hydrocarbon group, such as N-methyl-6-heptene-2-amine, N-ethyl-7-octene-2-amine, N-methyl-8-nonene-2-amine, N-ethyl-9-decene-2-amine, N-methyl-10-undecene-2-amine, N-ethyl-8-nonene-3-amine, N-methyl-9-decene-3-amine, N-ethyl-10-undecene-3-amine, N-ethyl-8-nonene-4-amine, N-methyl-9-decene-4-amine and N-ethyl-10-undecene-4-amine;

N-alkylalkenylamines having a branched hydrocarbon group, such as N-methyl-2-methyl-5-hexene amine, N-ethyl-2-methyl-6-heptene amine, N-methyl-2-methyl-7-octene amine, N-ethyl-2-methyl-8-nonene amine, N-ethyl-2-methyl-9-decene amine, N-methyl-2-methyl-10-undecene amine, N-methyl-2-ethyl-7-octene amine, N-ethyl-2-ethyl-9-decene amine and N-methyl-2-ethyl-10-undecene amine;

N,N-dialkyl- $\omega$ -alkenylamines, such as N,N-dimethyl-5-hexene amine, N,N-dimethyl-6-heptene amine, N,N-dimethyl-7-octene amine, N,N-dimethyl-8-nonene amine,

N,N-dimethyl-9-decene amine,  
N,N-dimethyl-10-undecene amine,  
N,N-dimethyl-11-dodecene amine,  
N,N-diethyl-5-hexene amine, N,N-diethyl-6-heptene amine,  
N,N-diethyl-7-octene amine, N,N-diethyl-8-nonene amine,  
N,N-diethyl-9-decene amine,  
N,N-diethyl-10-undecene amine and  
N,N-diethyl-11-dodecene amine;

N,N-dialkylalkenylamines having a straight-chain  
hydrocarbon group, such as

N,N-dimethyl-6-heptene-2-amine,  
N,N-diethyl-7-octene-2-amine,  
N,N-dimethyl-8-nonene-2-amine,  
N,N-diethyl-9-decene-2-amine,  
N,N-dimethyl-10-undecene-2-amine,  
N,N-diethyl-8-nonene-3-amine,  
N,N-dimethyl-9-decene-3-amine,  
N,N-diethyl-10-undecene-3-amine,  
N,N-diethyl-8-nonene-4-amine,  
N,N-dimethyl-9-decene-4-amine and  
N,N-diethyl-10-undecene-4 amine; and

N,N-dialkylalkenylamines having a branched hydrocarbon group, such as N,N-dimethyl-2-methyl-5-hexene amine, N,N-diethyl-2-methyl-6-heptene amine, N,N-dimethyl-2-methyl-7-octene amine, N,N-diethyl-2-methyl-8-nonene amine, N,N-diethyl-2-methyl-9-decene amine, N,N-dimethyl-2-methyl-10-undecene amine, N,N-dimethyl-2-ethyl-7-octene amine, N,N-diethyl-2-ethyl-9-decene amine and N,N-dimethyl-2-ethyl-10-undecene amine;

compounds of the formula (7) wherein X is an amido group, specifically

$\omega$ -alkenylamides, such as allylamide, 5-hexene amide, 6-heptene amide, 7-octene amide, 8-nonene amide, 9-decene amide, 10-undecene amide and 11-dodecene amide;

alkenylamides having a straight-chain hydrocarbon group, such as 6-heptene-2-amide, 7-octene-2-amide, 8-nonene-2-amide, 9-decene-2-amide, 10-undecene-2-amide, 8-nonene-3-amide, 9-decene-3-amide, 10-undecene-3-amide, 11-dodecene-3-amide, 8-nonene-4-amide, 9-decene-4-amide, 10-

undecene-4-amide, 11-dodecene-4-amide, 9-decene-5-amide and 10-undecene-5-amide;

N-alkyl- $\omega$ -alkenylamides, such as

N-methyl-5-hexene amide,  
N-methyl-6-heptene amide, N-methyl-7-octene amide,  
N-methyl-8-nonene amide, N-methyl-9-decene amide,  
N-methyl-10-undecene amide, N-methyl-11-dodecene amide,  
N-ethyl-5-hexene amide, N-ethyl-6-heptene amide,  
N-ethyl-7-octene amide, N-ethyl-8-nonene amide,  
N-ethyl-9-decene amide, N-ethyl-10-undecene amide and  
N-ethyl-11-dodecene amide;

N,N-dialkyl- $\omega$ -alkenylamides, such as

N,N-dimethyl-5-hexene amide,  
N,N-dimethyl-6-heptene amide,  
N,N-dimethyl-7-octene amide,  
N,N-dimethyl-8-nonene amide,  
N,N-dimethyl-9-decene amide,  
N,N-dimethyl-10-undecene amide,  
N,N-dimethyl-11-dodecene amide,  
N,N-diethyl-5-hexene amide, N,N-diethyl-6-heptene amide,  
N,N-diethyl-7-octene amide, N,N-diethyl-8-nonene amide,  
N,N-diethyl-9-decene amide,

N,N-diethyl-10-undecene amide and

N,N-diethyl-11-dodecene amide;

alkenylamides having a branched hydrocarbon group, such as  
2-methyl-5-hexene amide, 2-methyl-6-heptene amide,  
2-methyl-7-octene amide, 2-methyl-8-nonene amide,  
2-methyl-9-decene amide, 2-methyl-10-undecene amide,  
2-ethyl-5-hexene amide, 2-ethyl-6-heptene amide,  
2-ethyl-7-octene amide, 2-ethyl-8-nonene amide,  
2-ethyl-9-decene amide, 2-ethyl-10-undecene amide,  
2-ethyl-11-dodecene amide, 2-propyl-5-hexene amide,  
2-propyl-6-heptene amide, 2-propyl-7-octene amide,  
2-propyl-8-nonene amide, 2-propyl-9-decene amide,  
2-propyl-10-undecene amide, 2-propyl-11-dodecene amide,  
2-butyl-5-hexene amide, 2-butyl-6-heptene amide,  
2-butyl-7-octene amide, 2-butyl-8-nonene amide,  
2-butyl-9-decene amide and 2-butyl-10-undecene amide;

N,N-dialkylalkenylamides having a branched hydrocarbon  
group, such as

N,N-dimethyl-2-methyl-5-hexene amide,  
N,N-diethyl-2-methyl-6-heptene amide,  
N,N-dimethyl-2-methyl-7-octene amide,  
N,N-diethyl-2-methyl-8-nonene amide,

N,N-diethyl-2-methyl-9-decene amide,  
N,N-diethyl-2-methyl-10-undecene amide,  
N,N-dimethyl-2-ethyl-7-octene amide,  
N,N-diethyl-2-ethyl-9-decene amide and  
N,N-dimethyl-2-ethyl-10-undecene amide;

~~Alkenylamides~~ alkenyldiamides, such as 6-heptene-1,2-diamide,  
7-octene-1,2-diamide, 8-nonene-1,2-diamide,  
9-decene-1,3-diamide, 10-undecene-1,3-diamide and  
~~11-dodecene amide~~ 11-dodecene-1,3-diamide;

alkenyltriamides, such as 9-decene-1,2,3-triamide and  
10-undecene-1,2,3-triamide; and

compounds of the formula (7) wherein X is an epoxy group,  
specifically

$\omega$ -alkenylepoxides, such as 5-hexene epoxide,  
6-heptene epoxide, 7-octene epoxide, 8-nonene epoxide,  
9-decene epoxide, 10-undecene epoxide and 11-dodecene epoxide;  
and

$\omega$ -alkenylepoxides having a branched hydrocarbon group, such  
as

2-methyl-5-hexene epoxide, 2-methyl-6-heptene epoxide,  
2-methyl-7-octene epoxide, 2-methyl-8-nonene epoxide,

2-methyl-9-decene epoxide and

2-methyl-10-undecene epoxide; and

compounds wherein X in the formula (7) is a mercapto group, such as  $\text{CH}_2=\text{CH}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{O}-\text{Ph}-\text{SH}$ .

Please amend the paragraph bridging pages 189-190 (page 189, lines 8-25, page 190, lines 1-25) as follows:

Examples of polar group-containing monomers of the formula (7') wherein X' is -OR include:

$\omega$ -alkoxy- $\alpha$ -olefins, such as 3-methoxy-1-propene, 5-methoxy-1-pentene, 6-methoxy-1-hexene, 7-methoxy-1-heptene, 8-methoxy-1-octene, 9-methoxy-1-nonene, 10-methoxy-1-decene, 11-methoxy-1-undecene, 5-ethoxy-1-pentene, 6-ethoxy-1-hexene, 7-ethoxy-1-heptene, ~~3-ethoxy-1-octene~~ 8-ethoxy-1-octene, 9-ethoxy-1-nonene, 10-ethoxy-1-decene, 11-ethoxy-1-undecene, 5-propoxy-1-pentene, 6-propoxy-1-hexene, 7-propoxy-1-heptene, 8-propoxy-1-octene, 9-propoxy-1-nonene, 10-propoxy-1-decene, 11-propoxy-1-undecene, 5-butoxy-1-pentene, 6-butoxy-1-hexene,



7-butoxy-1-heptene, 8-butoxy-1-octene,  
9-butoxy-1-nonene, 10-butoxy-1-decene and  
11-butoxy-1-undecene;

ethers having a branched hydrocarbon group, such as

7-methoxy-7-methyl-1-heptene,  
8-methoxy-8-methyl-1-octene,  
9-methoxy-8-methyl-1-nonene,  
10-methoxy-9-methyl-1-decene,  
11-methoxy-7-ethyl-1-undecene,  
7-ethoxy-6-methyl-1-heptene,  
8-ethoxy-6-ethyl-1-octene, 9-ethoxy-7-ethyl-1-nonene,  
10-ethoxy-ethyl-1-decene, 11-ethoxy-8-propyl-1-undecene,  
6-propoxy-6-methyl-1-hexene,  
7-propoxy-7-methyl-1-heptene,  
8-propoxy-8,8-dimethyl-1-octene,  
9-propoxy-9-methyl-1-nonene,  
10-propoxy-9,9-dimethyl-1-decene,  
11-propoxy-10-methyl-1-undecene,  
~~5-butoxy-5-ethyl-1-heptene~~ 5-butoxy-5-ethyl-1-pentene,  
6-butoxy-6,6-dimethyl-1-hexene,  
7-butoxy-6-methyl-1-heptene,  
8-butoxy-6-ethyl-1-octene, 9-butoxy-9-methyl-1-nonene,

10-butoxy-8,8-dimethyl-1-decene and

11-butoxy-8,9-diethyl-1-undecene;

dialkoxy- $\alpha$ -olefins, such as

9,10-dimethoxy-1-dodecene and

10,11-dimethoxy-1-undecene; and

trialkoxy- $\alpha$ -olefins, such as

9,10,11-trimethoxy-1-undecene.

Please amend the paragraph beginning on page 200, line 21 to page 202, line 18 as follows:

Examples of the polar group-containing monomer of the formula (7') wherein X' is -OCOR (R is a hydrocarbon group) are:

carboxylic: acid- $\omega$ -alkenyl, such as  
formic acid-5-hexenyl, formic acid-6-heptenyl,  
formic acid-7-octenyl, formic acid-8-nonenyl, formic  
acid-9-decenyl, formic acid-10-undecenyl, formic  
acid-11-dodecenyl, acetic acid-5-hexenyl, acetic  
acid-6-heptenyl, acetic acid-7-octenyl,  
acetic acid-8-nonenyl, acetic acid-9-decenyl,  
acetic acid-10-undecenyl, acetic acid-11-dodecenyl,  
propionic acid-5-hexenyl, propionic acid-6-heptenyl,  
propionic acid-7-octenyl, propionic acid-8-nonenyl,  
propionic acid-9-decenyl, propionic acid-10-undecenyl,  
propionic acid-11-dodecenyl, ~~acetic acid~~ butyric acid-5-hexenyl,  
~~acetic acid~~ butyric acid-6-heptenyl, ~~acetic acid~~ butyric  
acid-7-octenyl, ~~acetic acid~~ butyric acid-8-nonenyl, ~~acetic acid~~

butyric acid-9-decenyl, ~~acetic acid~~ butyric acid-10-undecenyl

and ~~acetic acid~~ butyric acid-11-dodecenyl; and

carboxylic acid-  $\omega$ ) -alkenyl having a branched hydrocarbon group, such as

formic acid-2-methyl-5-hexenyl,

formic acid-2-methyl-6-heptenyl,

formic acid-3-ethyl-7-octenyl,

formic acid-2-methyl-8-nonenyl,

formic acid-3-ethyl-9-decenyl,

formic acid-2-methyl-10-undecenyl,

formic acid-2-methyl-11-dodecenyl,

acetic acid-2-methyl-5-hexenyl,

acetic acid-2-methyl-6-heptenyl,

acetic acid-~~3-ethyl-3-ethyl-3-ethyl~~-3-ethyl-7-octenyl,

acetic acid-2-methyl-8-nonenyl,

acetic acid-3-ethyl-9-decenyl,

acetic acid-2-methyl-10-undecenyl,

acetic acid-3-methyl-11-dodecenyl,

propionic acid-2-methyl-5-hexenyl,

propionic acid-2-methyl-6-heptenyl,

propionic acid-2-methyl-7-octenyl,

propionic acid-2-methyl-8-nonenyl,  
propionic acid-2-methyl-9-decenyl,  
propionic acid-2-methyl-10-undecenyl,  
propionic acid-2-methyl-11-dodecenyl,  
butyric acid-2-methyl-5-hexenyl,  
butyric acid-2-methyl-6-heptenyl,  
butyric acid-2-methyl-7-octenyl,  
butyric acid-3-methyl-8-nonenyl,  
butyric acid-3-methyl-9-decenyl,  
butyric acid-4-methyl-10-undecenyl and  
butyric acid-3-methyl-11-dodecenyl.

Please amend the paragraphs beginning on page 202 at line 19 to page 204, line 5 as follows:

Examples of the polar group-containing monomer of the formula (7') wherein X' is -CN include:

$\omega$ -alkenyl~~nitriles~~ nitriles, such as  
5-hexenyl~~nitrile~~ nitrile, 6-heptenyl~~nitrile~~ nitrile, 7-octenyl~~nitrile~~ nitrile, 8-nonenyl~~nitrile~~ nitrile, 9-decenyl~~nitrile~~ nitrile, 10-undecenyl~~nitrile~~ nitrile and 11-dodecenyl~~nitrile~~ nitrile;

alkenyl~~nitriles~~ nitriles having a straight-chain hydrocarbon group, such as

2-methyl-5-hexenenitryl nitrile, 2-methyl-6-heptenenitryl  
nitrile,  
2-methyl-7-octenenitryl nitrile, 2-methyl-8-nonenenitryl  
nitrile,  
2-methyl-9-decenenitryl nitrile, 2-methyl-10-undecenitryl  
nitrile,  
2-methyl-11-dodecenenitryl nitrile, 2-ethyl-5-hexenenitryl  
nitrile,  
2-ethyl-6-heptenenitryl nitrile, 2-ethyl-7-octenenitryl nitrile,  
2-ethyl-8-nonenenitryl nitrile, 2-ethyl-9-decenenitryl nitrile,  
2-ethyl-10-undecenitryl nitrile, 2-propyl-5-hexenenitryl  
nitrile,  
2-propyl-6-heptenenitryl nitrile, 2-propyl-7-octenenitryl  
nitrile,  
2-propyl-8-nonenenitryl nitrile, 2-propyl-9-decenenitryl  
nitrile,  
2-propyl-10-undecenitryl nitrile, 2-butyl-5-hexenenitryl  
nitrile,  
2-butyl-6-heptenenitryl nitrile, 2-butyl-7-octenenitryl,  
2-butyl-8-nonenenitryl nitrile, 2-butyl-9-decenenitryl nitrile  
and  
2-butyl-10-undecenitryl nitrile;

alkenyl~~nitryl~~ nitriles having a branched hydrocarbon group,  
such as

2-isopropyl-5-hexen~~enitryl~~ nitrile, 2-isopropyl-6-hepten~~enitryl~~  
nitrile,

2-isopropyl-7-octen~~enitryl~~ nitrile, 2-isopropyl-8-nonen~~enitryl~~  
nitrile,

2-isopropyl-9-decen~~enitryl~~ nitrile,

2-isopropyl-10-undecen~~enitryl~~ nitrile,

2-isobutyl-5-hexen~~enitryl~~ nitrile, 2-t-butyl-6-hepten~~enitryl~~  
nitrile,

2-isopropyl-3-methyl-7-octen~~enitryl~~ nitrile,

2-methyl-3-isopropyl-8-nonen~~enitryl~~,

3-isobutyl-3-methyl-9-decen~~enitryl~~ nitrile,

2,2-dimethyl-10-undecen~~enitryl~~ nitrile and

2,3,3-trimethyl-11-dodecen~~enitryl~~ nitrile;

alkenyl~~dinitryl~~ nitrile, such as

10-undecene-1,2-din~~itryl~~ nitrile and 11-dodecene-1,2-din~~itryl~~; and

alkenyl~~trinitryl~~ nitrile, such as

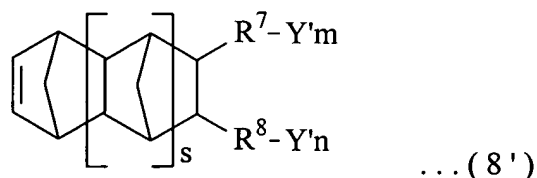
10-undecene-1,2,3-trin~~itryl~~ nitrile.

Please amend the paragraphs beginning on page 261, line 14  
to page 262, line 5 as follows:

The polar group-containing monomer represented by the

15 formula (7'') is, for example, the polar group-containing monomer

represented by the aforesaid formula (7') wherein X is other group than -OH and -NR<sub>2</sub>.



wherein R<sup>7</sup> is a direct bond or an aliphatic hydrocarbon group of 1 or more carbon atoms, R<sup>8</sup> is a hydrogen atom, a direct bond or an aliphatic hydrocarbon group of 1 or more carbon atoms, Y' is -OR, -COOR, -CRO, -C (O) NR<sub>2</sub>, -OC (O) R (R is a hydrogen atom or a hydrocarbon group), an epoxy group, -C=N or -NH<sub>2</sub>, m and n are each an integer of 0 to 2, m+n is 5 not 0, and p is 0 or 1, and s is 0 or 1.

Please amend the paragraphs on page 280, line 18 to page 281, line 20 as follows:

Examples of the active hydrogen compounds having active hydrogen on the nitrogen atom include aliphatic or aromatic primary amines, such as methylamine, ethylamine, n-propylamine, isopropylamine, n-butylamine, isobutylamine, sec-butylamine,



tert-butylamine, cyclohexylamine, benzylamine,  $\beta$ -phenylethylamine, aniline, o-toluidine, m-toluidine and p-toluidine; aliphatic or aromatic secondary amines, such as dimethylamine, methylethylamine, diethylamine, di-n-propylamine, ethyl-n-butylamine, methyl-sec-butylamine, dipentylamine, dicyclohexylamine, N-methylaniline and dipheylamine; polyamines having primary or secondary amino group, such as ethylenediamine, di(2-aminoethyl)amine, hexamethylenediamine, 4,4'-diaminodiphenylethane, tri(2-aminoethyl)amine, N,N'-dimethylethylenediamine, N,N'-diethylethylenediamine and di(2-methylaminoethyl)amine; saturated cyclic secondary amines, such as pyrrolidine, piperidine, morpholine and 1,2,3,4-tetrahydropyridine; unsaturated cyclic secondary amines, such as 3-pyrroline, pyrrole, indole, carbazole, imidazole, pyrazole and purine; cyclic polyamines having secondary amino group, such as piperazine, pyrazine and 1,4,7-triazacyclononane; unsubstituted or N-monosubstituted acid amides, such as acetamide, propionamide, N-methylpropionamide, N-methylbenzamide and N-ethylstearamide; cyclic amides, such as  $\beta$ -propiolactam, 2-pyrrolidone, and  ~~$\delta$ -valerolactam~~  $\delta$ -valerolactam and  $\epsilon$ -caprolactam; and imides

of dicarboxylic acids, such as succinimide, maleimide and phthalimide.

Please amend the paragraph on page 282, line 6 to line 21 as follows:

Also employable as the active hydrogen compounds are, for example, poly(alkylene oxides) having active hydrogen at the end, such as polyethylene oxide and polypropylene oxide; polymers obtained by anionic polymerization or other polymerization of (meth)acrylic esters, (meth)acrylonitriles, acrylamides, vinylpyridines, N-substituted ~~maleimides~~ maleimides, vinyl ketones and styrene derivatives; polymers obtained by ring-opening polymerization of lactones, lactams, lactides and cyclic siloxanes; polymers having active hydrogen at the end and/or in the main chain, such as poly((meth)acrylic esters), poly((meth)acrylonitriles), poly(acrylamides), poly(vinylpyridines), poly(N-substituted ~~maleimides~~ maleimides), poly(vinyl ketones) and poly(styrene derivatives), polyesters, polyamides, polylactides and polysiloxanes; and copolymers thereof.

Please amend the paragraph on page 282, line 22 to page 283, line 5 as follows:

Of the above active hydrogen compounds, preferable are hydrogen cyanide, monocarboxylic esters, polycarboxylic esters, water, monohydric alcohols, polyhydric alcohols, monothiols, polymers having active hydrogen at the end and/or in the main chain, such as poly(alkylene oxides), poly((meth)acrylic esters), poly((meth)acrylonitriles), poly(acrylamides), poly(vinylpyridines), poly(N-substituted ~~maleimides~~ maleimides, poly(vinyl ketones) and poly(styrene derivatives), and copolymers thereof.

Please amend the paragraph on page 301, lines 1 to 24 as follows:

The rosin type nucleating agent is, for example, a metallic salt of a rosin acid, and the metallic salt of a rosin acid is a reaction product of a rosin acid and a metallic compound. Examples of the rosin acids include natural rosins, such as gum rosin, tall oil rosin and wood rosin; various modified rosins, such as disproportionated rosin, hydrogenated rosin, dehydrogenated rosin, polymerized rosin and  $\alpha,\beta$ -ethylenically

unsaturated carboxylic acid-modified rosin; purified products of the natural rosins; and purified products of the modified rosins. Examples of unsaturated carboxylic acids used to prepare the  $\alpha,\beta$ -ethylenically unsaturated carboxylic acid-modified rosins include maleic acid, maleic anhydride, fumaric acid, itaconic acid, itaconic anhydride, citraconic acid, acrylic acid and methacrylic acid. Of the above rosins, preferable is at least one rosin acid selected from the group consisting of a natural rosin, a modified rosin, a purified product of a natural rosin and a purified product of a modified rosin. The rosin acid comprises plural resin acids selected from pimaric acid, sandarachpimaric acid, ~~paraetric acid~~ palustric acid, isopimaric acid, abietic acid, dehydroabietic acid, neoabietic acid, dihydropimaric acid, dihydroabietic acid and tetrahydroabietic acid.

Please amend the paragraph on page 309, lines 1-19 as follows:

Also exemplified are electric or electronic parts, such as connector, socket, resistor, relay case switch coil bobbin, condenser, variable condenser case, optical pickup, optical connector, vibrator, various terminal assemblies, transformer,

plug, printed wiring board, tuner, speaker, microphone, headphone, small motor, magnetic head base, power module, housing, semiconductor, liquid crystal display parts, FDD carriage, FDD chassis, HDD parts, ~~motor brush holder~~ motor brush holder, parabola antenna and computer associated parts; VTR parts, TV parts, iron, hair dryer, rice cooker parts, electronic oven parts, acoustic instrument parts, audio machine parts such as audio laser disc and compact disc, domestic or office electric appliance parts, such as light fitment parts, refrigerator parts, air conditioner parts, typewriter parts and word processor parts; office computer associated parts, telephone associated parts, facsimile associated parts, copy machine associated parts, electromagnetic shielding material, speaker cone material, and vibrating element for speaker.

Please amend the paragraphs on page 320, lines 23 to page 321, line 11 as follows:

Specifically, there can be mentioned ethylenically unsaturated carboxylic acids, such as acrylic acid, methacrylic acid,  $\alpha$ -ethylacrylic acid, maleic acid, fumaric acid, itaconic acid, citraconic acid, tetrahydrophthalic acid,

methylnorbornene-2,3-dicarboxylic acid, endocis-bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid (nadic acid<sup>TM</sup>) and methyl-endocis-bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid (methylnadic acid<sup>TM</sup>); and ethylenically unsaturated carboxylic acid derivatives, such as acid halides, amides, imides, acid anhydrides and esters of the above acids. Specific examples of the ethylenically unsaturated carboxylic acid derivatives include ~~maleenyl-chloride~~ maleic acid dichloride maleimide, maleic anhydride, citraconic anhydride, monomethyl maleate and dimethyl maleate.